

ABSTRACT

A disposable downhole tool comprises a material that dissolves when exposed to a chemical solution, an ultraviolet light, a nuclear source, or a combination thereof. In an embodiment, the material comprises an epoxy resin, a fiberglass, or a combination thereof. In another embodiment, the material comprises a fiberglass and a binding agent. The material may also be customized to achieve a desired dissolution rate of the tool. In an embodiment, the disposable downhole tool further comprises an enclosure for storing the chemical solution. The tool may also comprise an activation mechanism for releasing the chemical solution from the enclosure. In an embodiment, the disposable downhole tool is a frac plug. In another embodiment, the tool is a bridge plug. In yet another embodiment, the tool is a packer.